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23 October 63

MEMORANDUM FOR : Deputy for Technology  
SUBJECT : OXCART Propulsion System Matching

1. Technical progress has been made in several areas since July 1963 in resolving subject problem. The most nebulous areas of aircraft inlet performance and associated "roughness" appear now to have become fairly well defined. Test experience focuses on airflow separation inside the inlet duct as the primary inducing factor. Exploratory fixes designed to eliminate this separation and which involve various inlet modifications of a relatively minor but nonetheless time consuming nature are being tested presently.

2. For those who have been following the technicalities of subject problem and are interested in some of the factors involved, the attached memorandum presents the above summary in greater detail.

SIGNED

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[Redacted]  
Aircraft Systems Division  
(Special Activities)

Attachment: [Redacted]

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[Redacted] ASD/OSA:mvp (23 Oct 63)

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NRO review(s) completed.

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